

INTERNATIONAL SEARCH REPORT

International Application No
PC 1, GB2004/001589

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D333/38 C07D409/12 C07D417/12 C07D417/14 A61K31/381
A61K31/415 A61K31/4196 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, CHEM ABS Data, BEILSTEIN Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/55152 A (BOEHRINGER INGELHEIM PHARMA) 21 September 2000 (2000-09-21) Claims 1-21; methods A-E, J	1-80
X	WO 98/52558 A (CHEN JINSHAN ; PAULSEN HOLGER (DE); RANGES GERALD (US); RENICK JOEL (U) 26 November 1998 (1998-11-26) Claims 1-2,6-8,10-11; methods A-J, P-U; Tables 1 and 4	1-80
X	WO 01/98301 A (JAPAN TOBACCO INC ; YAMAMOTO KAZUHIKO (JP); OZAWA KOICHI (JP); KAWASAKI 27 December 2001 (2001-12-27) Compound 1-220 ----- -/--	1,2, 21-23, 30,31, 33-35, 44, 46-51,54

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

22 July 2004

Date of mailing of the international search report

10/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kirsch, C

INTERNATIONAL SEARCH REPORT

Int. Patent Application No.

PCT/GB2004/001589

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	U.E.W. LANGE ET AL.: "Synthesis of Highly potent and Selective Hetaryl Ureas as Integrin avb3-Receptor Antagonists" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 12, 2002, pages 1379-1382, XP002289253 Compounds 5 and 18a -----	1,2,30, 31, 33-35, 44, 46-51, 54,78
X	D. BINDER ET AL.: "Substituierte 3-Alkoxy-4,5,6,7-tetrahydro-8H-thieno[2,3-b]indole" ARCH. PHARM., vol. 314, 1981, pages 751-757, XP009033934 Compound 6 -----	1,2,30, 31, 33-35, 44, 46-51,54

INTERNATIONAL SEARCH REPORT

ational application No.
PCT/GB2004/001589

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 64-66, 71
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 64-66 and 71 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001589

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0055152	A	21-09-2000	CA 2361998 A1	21-09-2000
			EP 1163236 A1	19-12-2001
			JP 2002539206 T	19-11-2002
			WO 0055152 A1	21-09-2000
			US 6297381 B1	02-10-2001
			US 6476023 B1	05-11-2002
WO 9852558	A	26-11-1998	AU 7585498 A	11-12-1998
			CA 2290520 A1	26-11-1998
			DE 1019040 T1	08-02-2001
			EP 1019040 A1	19-07-2000
			ES 2151467 T1	01-01-2001
			JP 2001526687 T	18-12-2001
			WO 9852558 A1	26-11-1998
WO 0198301	A	27-12-2001	JP 2004123537 A	22-04-2004
			JP 2004123539 A	22-04-2004
			AU 6431301 A	02-01-2002
			WO 0198301 A1	27-12-2001